

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 09/856,114A  
Source: IFW O  
Date Processed by STIC: 1-6-4

# ***ENTERED***

RE-RUN



IFWO

## RAW SEQUENCE LISTING

DATE: 01/06/2005

PATENT APPLICATION: US/09/856,114A

TIME: 14:50:50

Input Set : N:\Crf4\Refhold\09\_folder\I856114A.raw

Output Set: N:\CRF4\01062005\I856114A.raw

1 <110> APPLICANT: Hyo Jeong Hong  
2 Chun Jeih Ryu  
3 Hangsook Hur  
4 <120> TITLE OF INVENTION: HUMANIZED ANTIBODY SPECIFIC FOR SURFACE  
5 ANTIGEN PRE-S1 OF HBV AND PREPARATION METHOD THEREOF  
6 <130> FILE REFERENCE: 118.13USWO  
C--> 7 <140> CURRENT APPLICATION NUMBER: US/09/856,114A  
8 <141> CURRENT FILING DATE: 2001-05-18  
9 <150> PRIOR APPLICATION NUMBER: PCT/KR99/00699  
10 <151> PRIOR FILING DATE: 1999-11-19  
11 <150> PRIOR APPLICATION NUMBER: 1998-49663  
12 <151> PRIOR FILING DATE: 1998-11-19  
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18 <212> TYPE: DNA  
19 <213> ORGANISM: Artificial Sequence  
20 <220> FEATURE:  
21 <223> OTHER INFORMATION: Synthetic oligonucleotide primer 1  
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27 <212> TYPE: DNA  
28 <213> ORGANISM: Artificial Sequence  
29 <220> FEATURE:  
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31 <400> SEQUENCE: 2  
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34 <210> SEQ ID NO: 3  
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37 <213> ORGANISM: Artificial Sequence  
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Output Set: N:\CRF4\01062005\I856114A.raw

48 <223> OTHER INFORMATION: Synthetic oligonucleotide primer 4  
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53 <211> LENGTH: 27  
54 <212> TYPE: DNA  
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56 <220> FEATURE:  
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63 <212> TYPE: DNA  
64 <213> ORGANISM: Artificial Sequence  
65 <220> FEATURE:  
66 <223> OTHER INFORMATION: Synthetic oligonucleotide primer 6  
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70 <210> SEQ ID NO: 7  
71 <211> LENGTH: 21  
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83 <220> FEATURE:  
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85 <400> SEQUENCE: 8  
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89 <211> LENGTH: 39  
90 <212> TYPE: DNA  
91 <213> ORGANISM: Artificial Sequence  
92 <220> FEATURE:  
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94 <400> SEQUENCE: 9  
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Input Set : N:\Crf4\Refhold\09\_folder\I856114A.raw

Output Set: N:\CRF4\01062005\I856114A.raw

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108 <212> TYPE: DNA  
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137 <220> FEATURE:  
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144 <212> TYPE: DNA  
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154 <213> ORGANISM: Artificial Sequence  
155 <220> FEATURE:  
156 <223> OTHER INFORMATION: Synthetic oligonucleotide primer 16  
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Input Set : N:\Crf4\Refhold\09\_folder\I856114A.raw

Output Set: N:\CRF4\01062005\I856114A.raw

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164 <220> FEATURE:  
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166 <400> SEQUENCE: 17  
167 ctaatctatc tgggtgtctaa actggactct ggagtcctt 39  
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170 <211> LENGTH: 17  
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173 <220> FEATURE:  
174 <223> OTHER INFORMATION: Synthetic oligonucleotide primer 18  
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180 <212> TYPE: PRT  
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182 <220> FEATURE:  
183 <223> OTHER INFORMATION: Variable region of heavy chain in mouse KR127  
184 antibody  
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186 Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala  
187 1 5 10 15  
188 Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe Ser Ser Ser  
189 20 25 30  
190 Trp Met Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile  
191 35 40 45  
192 Gly Arg Ile Tyr Pro Gly Asp Gly Asp Thr Asn Tyr Asn Gly Lys Phe  
193 50 55 60  
194 Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr Ala Tyr  
195 65 70 75 80  
196 Met Gln Leu Ser Ser Leu Thr Ser Val Asp Ser Ala Val Tyr Phe Cys  
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198 Ala Arg Glu Tyr Asp Glu Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr  
199 100 105 110  
200 Val Ser Ala  
201 115  
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204 <211> LENGTH: 115  
205 <212> TYPE: PRT  
206 <213> ORGANISM: Artificial Sequence  
207 <220> FEATURE:  
208 <223> OTHER INFORMATION: Variable region of humanized heavy chain  
209 HKR127HC (HZI)  
210 <400> SEQUENCE: 20

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Output Set: N:\CRF4\01062005\I856114A.raw

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211      Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Val Lys Pro Gly Ala
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213      Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ala Phe Ser Ser Ser
214      20          25          30
215      Trp Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile
216      35          40          45
217      Gly Arg Ile Tyr Pro Gly Asp Gly Asp Thr Asn Tyr Ala Gln Lys Phe
218      50          55          60
219      Gln Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
220      65          70          75          80
221      Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
222      85          90          95
223      Ala Arg Glu Tyr Asp Glu Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr
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225      Val Ser Ser
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229 <211> LENGTH: 115
230 <212> TYPE: PRT
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235 <400> SEQUENCE: 21
236      Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
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239      20          25          30
240      Trp Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
241      35          40          45
242      Gly Arg Ile Tyr Pro Gly Asp Gly Asp Thr Asn Tyr Ala Gln Lys Phe
243      50          55          60
244      Gln Gly Arg Val Thr Met Thr Ala Asp Lys Ser Thr Ser Thr Val Tyr
245      65          70          75          80
246      Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
247      85          90          95
248      Ala Arg Glu Tyr Asp Glu Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr
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250      Val Ser Ser
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255 <212> TYPE: PRT
256 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Variable region of light chain in mouse KR127
259      antibody
260 <400> SEQUENCE: 22
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VERIFICATION SUMMARY

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PATENT APPLICATION: US/09/856,114A

TIME: 14:50:51

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Output Set: N:\CRF4\01062005\I856114A.raw

L:7 M:270 C: Current Application Number differs, Wrong Format